

APRIL/MAY 2024

**CABC32/FABC32 — MICROBIOLOGY – I**

Time : Three hours

Maximum : 75 marks



**SECTION A — (10 × 2 = 20 marks)**

Answer ALL the questions.

1. What is Microscopy?
2. Outline Biogenesis.
3. What is cell wall madeup of ?
4. Explain Wet Mount.
5. What is Species Concept?
6. Classify Microbes.
7. Define Sterilization.
8. Outline about Media.
9. What is Chemotherapy?
10. Give examples of Algae.



SECTION B — ( $5 \times 5 = 25$  marks)

Answer ALL the questions.

11. (a) Identify the contributions of Louis Pasteur.  
Or  
(b) Analyse the importance of microbiology.
12. (a) Give an account on structural features of Eukaryotic cells.  
Or  
(b) Simplify the procedure involved by acid fast staining.
13. (a) Identify the structural features of bacterial genome.  
Or  
(b) Examine significance of plasmids.
14. (a) Explain about continuous culture.  
Or  
(b) Simplify the methods of sterilization.
15. (a) Identify characteristics of bacteriophage.  
Or  
(b) Analyse the antimicrobial resistance.

SECTION C — ( $3 \times 10 = 30$  marks)

Answer any THREE questions.

16. Explain the components of dark ground microscopy.
17. Evaluate the staining method of microbes.
18. Determine the Five Kingdom concept.
19. Discuss the measurements of microbial growth.
20. Elaborate on the types of antibiotics.